PATENT COOPERATE APPLICATION 25 J

25 JUL 2007/EP2003/00799

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference					
BO 620328WO	FOR FURTHER ACTION S		See Form PCT/IPEA/416		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/EP2003/007993	22 July 2003 (22.07.2003)	23 July 2002 (23.07.2002)		
International Patent Classification (IPC) or no H01J 37/32	ational classification and	IPC .	-		
Applicant	IPLAS G	МВН			
This report is the international prelin Authority under Article 35 and trans	ninary examination repor mitted to the applicant ac	t, established by this cording to Article 3	s International Preliminary Examining 6.		
2. This REPORT consists of a total of		ncluding this cover s	sheet.		
3. This report is also accompanied by ANNEXES, comprising:					
a. (sent to the applicant and	to the International Bure	au) a total of 2	sheets, as follows:		
and/or sheets cont Administrative Ins sheets which supe	aining rectifications auth structions). rsede earlier sheets, but	orized by this Authowards which this Authority	een amended and are the basis of this report prity (see Rule 70.16 and Section 607 of the considers contain an amendment that goes as indicated in item 4 of Box No. I and the		
Supplemental Box	•				
	, containi dicated in the Supplement	ng a sequence listin	pe and number of electronic carrier(s)) g and/or tables related thereto, in computer of Sequence Listing (see Section 802 of the		
4. This report contains indications relati	ing to the following item	s:			
Box No. I Basis of the rep	port				
Box No. II Priority					
Box No. III Non-establishn	nent of opinion with rega	rd to novelty, invent	ive step and industrial applicability		
Box No. IV Lack of unity of	f invention				
citations and ex	cplanations supporting su	with regard to nove sch statement	lty, inventive step or industrial applicability;		
Box No. VI Certain docume					
Box No. VII Certain defects in the international application					
Box No. VIII Certain observa	ations on the internationa	l application			
Date of submission of the demand		Date of completion of this report			
23 January 2004 (23.01.2004)		27 August 2004 (27.08.2004)			
Name and mailing address of the IPEA/EP		Authorized officer			
Facsimile No.		Telephone No.			

Translation

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2003/007993

Box N	Vo. I	Basis of the report	
1. Wi	ith regard erwise in	d to the language, this report is based on the international application in the indicated under this item.	language in which it was filed, unless
	This which	s report is based on translations from the original language into the follow ch is language of a translation furnished for the purpose of:	ring language,
		international search (under Rules 12.3 and 23.1(b))	
		publication of the international application (under Rule 12.4)	
		international preliminary examination (under Rules 55.2 and/or 55.3)	
2. Wit furn and	are not	d to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are refers annexed to this report): International application as originally filed/furnished	n (replacement sheets which have been red to in this report as "originally filed"
		escription:	
	pages	1-13	
	pages*		, as originally filed/furnished
	pages*	* received by this Authority on	
\boxtimes	the cla		
	pages		
	pages*	00 0000 1 1 1 (1	, as originally filed/furnished
	pages*	l-12 received by this Authority on	gether with any statement) under Article 19
	pages*	received by this Authority on	19 May 2004 (19.05.2004)
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	pages		
	pages*	1-3	, as originally filed/furnished
	pages*	received by this Authority on received by this Authority on	
	0.000	-	
<u></u>	a seque	ence listing and/or any related table(s) - see Supplemental Box Relating to Se	equence Listing.
3	The am	nendments have resulted in the cancellation of:	
	tl	he description, pages	
	tł	he claims, Nos.	
	[th	he drawings, sheets/figs	
	T th	ne sequence listing (specify):	
	aı	ny table(s) related to sequence listing (specify):	
		system (system of sequence listing (specify):	
	(Rule 70		report and listed below had not been indicated in the Supplemental Box
	出	e description, pages	
	H	e claims, Nos.	
	th	e drawings, sheets/figs	1
	L the	e sequence listing (specify):	1
	an	ry table(s) related to sequence listing (specify):	
* If item		es, some or all of those sheets may be marked "superseded."	
		in superseded.	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2003/007993

	TC1/EF2003/00/993
Supplemental Box Relating to Sequence Listing	
Continuation of Box No. 1, item 2:	
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international invention, this report was established on the basis that of:	application and necessary to the claimed
a. type of material	
a sequence listing	
table(s) related to the sequence listing b. format of material	
tornat of material	
in computer readable form	
in computer readable form c. time of filing/furnishing	
 c. time of filing/furnishing contained in the international application as filed 	
filed together with the international application in computer readable form	
furnished subsequently to this Authority for the purpose of search and/or example received by this Authority as an amendment* on	mination
2. In addition, in the case that more than one version or copy of a sequence listing and or furnished, the required statements that the information in the cubes were all the contractions in the cubes were all the cubes wer	
application as filed or does not go beyond the application as filed, as appropriate, w	
3. Additional comments:	
* If item 4 in Box No. I applies, the listing and /or table(s) related thereto, which form part "superseded".	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2003/007993

Box No. VIII	Certain observations on the international application
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The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

See the supplemental box

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP 03/07993

YES

NO

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1.	Statement						
	Novelty (N)	Claims	1-12	YES			
		Claims		NO			
	Inventive step (IS)	Claims	1-12	YES			
		Claims		NO			
	Industrial applicability (IA)	Claims	1-12	VEC			

2. Citations and explanations

Technical field

The invention concerns a device and a method for carrying out gas reactions in a plasma reactor through which gas flows.

Claims

Closest prior art

WO 98/19965 discloses a device and a method according to the preambles of claims 1 and 8, respectively. D1 shows the formation of a spiral gas flow in order to generate a central region with reduced pressure in the plasma produced, so as to control the dimensions of the plasma.

Problem

The problem addressed by the present invention is that of adjusting the gas flow as necessary, moderating the gas flow to a greater or lesser extent depending on its purpose, in order to obtain a well-distributed and stable plasma.

Solution

According to the characterizing parts of claims 1 and 8, this problem is solved by adjustable flow-forming elements for generating the zone in which the flow is moderated.

Form PCT/IPEA/409 (Box V) (January 1994)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP 03/07993

Prior art/Assessment

None of the prior art citations discloses or suggests adjustable flow-forming elements for generating the zone in which the flow is moderated. Therefore the invention is neither disclosed nor suggested by the available prior art. Consequently the subject matter of claim 1 (device) and claim 8 (method) is novel and also involves an inventive step.

Observations

Claim 1 corresponds to the combination of features in the claim 3 originally filed. Claim 8 corresponds to the combination of features in the claims 10 and 3 originally filed.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP 03/07993

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The features in the claims have not been provided with reference signs between parentheses (PCT Rule 6.2(b)).

Contrary to PCT Rule 5.1(a) (iii), the description is not in line with the claims.

Contrary to the requirements of PCT Rule 5.1(a)(ii), the description did not cite WO 98/19965 or the relevant prior art contained therein.